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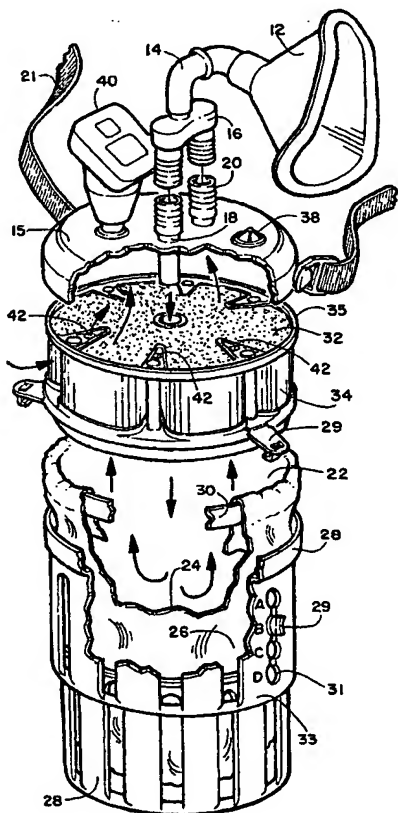
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(54) Title: BREATHING APPARATUS FOR HYPOXIC PRE-ACCLIMATIZATION AND TRAINING



(57) **Abstract:** A hand-held rebreather/breathing apparatus for high altitude pre-acclimatization and training. Air exhaled by a user is directed to a reservoir bag for cooling and condensate collection. At inhalation negative pressure created a mixing chamber forces the air stored in the reservoir bag to pass via CO<sub>2</sub> absorption chamber where it may be mixed with a fresh portion of the ambient air that influxes via orifice(s) communicating with this chamber. Baseline of the minimum oxygen concentration in inspired air can be pre-set by means of adjustment of the maximum volume of the reservoir bag and/or by means of altering of the number or diameter of one or a plurality of orifices for commination of the ambient air. Biofeedback may be provided by an oxygen monitor.

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